

Reed Ceniviva

CS283

Thur 6:30-9:30

HW3

File I/O: find replace prefix program.

This program takes two command line arguments, the first is a string that is the word you would like to find, and the second is the word that you'd like to replace the first word if found.

When calling the program:

```
./frp car far
```

Car would be the word you wanted to find

Far would be the word to replace car

So if there was a txt file in the directory that read:

Car far

Far car

It would change it to:

Far far

Far far

Notes:

Was unable to get the prefix function working in time so I omitted it from the program, otherwise the program works as requested. Also do not have a working makefile, difficulties with variables.

Arrays and 2d arrays are heavily used to break down the string into lines so that the line number can be obtained for the log output. The work is broken up between two functions (was gonna be 3 for prefix), main and rep (replace). Main grabs all the files names in the directory and then sends the file names to replace to check each file for the word and then replace the word one file at a time. If a line doesn't need to be edited it is still included in what's pushed to the file.